

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB



An ARRL Special Service Club

March 1990

Next Meeting March 14, 1990

Public Service

By Randy Stimson, KZ7T

Well, I finally got all of the Public Service events that I am going to head up for 1990. I have dropped most of the little events like Sunday morning runs. I feel that there was a burn out coming and I didn't want that to happen.

So starting on Sunday, April 1st, there is a walk for the Multiple Sclerosis Society. I could use two more people for this. It will go from 8 a.m. to 4 p.m. It is a walk around Portland, starting and finishing in Loyd Center.

The next event is "To Hel'en Back" which is a combination tour and race around Mt. St. Helens. This is for the Cancer Society and will happen on June 29, 30 and July 1. I have enough people for the event.

Next is the MS 150, which is a 150 mile tour for Multiple Sclerosis Society. It happens on July 21 and 22. I do need people for this event. It starts in Beaverton and winds through the country to McMinnville, where we will spend the night. We will return to Beaverton Sunday. There will be free meals and lodging. Last year they raised \$225,000.

On August 24th and 25th the great Hood to Coast run happens. This year they are expecting up to 800 teams of 12 people each. I need people for this event. It starts at Timberline Lodge on Mt. Hood at 2 p.m. Friday afternoon and finishes Saturday at midnight in Seaside. If you have never worked Hood to Coast you should just to see that many people and vans on the move. There will be 1600 runners and a minimum of 800 vans at exchange points.

The next happening is Cycle Oregon. This is a 7 day event with 2000 cyclists and it starts September 9th in Pendleton and finishes in Newport on September 15th. I have the people for this event. I am going to see if the clubs along the route will help for the day that we are in their town. I guess that is about it for 1990. If anyone would like to help on any of these events please give me a call at 297-1175.

Now I am going to change hats. I understand that I will not be the only one running for Section Manager this year. As most of you know, I have been Section Manager for three and a half years. The ARRL membership has increased in Oregon and I would like to think that I have had a small

influence in that increase. I would like to continue on as I have some projects that I would like to finish. I do enjoy the job and have the time that it requires to do it justice. The important thing is please vote. Thank you.

One other thing, Jeff is putting in the FCC's purposed rules for the codeless license and ARRL response in this newsletter. I would like to talk about this problem at this months meeting when I will have more information about it. We will have 6 months for comments so let us talk first.

Words From The President

By Ray Deeth, K7VDQ

After thirty-two years with the FBI, I will officially retire June 1, 1990, as a result of political pressures from within the agency. There are some other outside forces which contributed to my decision in retiring before the end of the year. I had planned to retire in December 31, 1990. At any rate, it has been an exciting career as well as rewarding. I leave behind me the unanswered question, "Where is D. B. COOPER?"

Work all OTVARC! What an exciting meeting with everyone wearing out shoe leather walking around the meeting room attempting to work all OTVARC members with an eye-ball QSO. Good show Rick! Of course there were broken hearts in which everyone had to match and mend their broken hearts. Good idea Bobbie!

An OTVARC club VHF 2-Meter repeater using K7WWG's equipment on (146.90 - minus) is still in effect and there seems to be some activity. However, there must be more usage by the members in order to prove how valuable a club repeater can be to the club. I would like to see a volunteer to begin an informal chit-chat net one night a week to discuss membership concerns and/or issues that concern the amateurs because of new FCC rulings, etc. If there is someone who would like to attempt this type of net or have other ideas, give me a call.

In closing, living at higher elevations for better HAM'ing sometimes has its disadvantages. I had 27 inches of snow two weeks ago which made travel to and from my QTH very interesting. Sure glad to see the warm weather to melt the snow off my radio antennas and off the roads to make travel much better on the roads.

FCC Proposes New Codeless Class Of Amateur Operator License

The Commission is proposing to amend its rules by establishing a codeless class of amateur operator license to be called the Communicator Class. The Communicator Class would be incorporated into a simplified licensing structure containing four ascending steps: 1) Communicator, 2) General, 3) Advanced, and 4) Amateur Extra Classes. Current Technician and Novice Class operator licenses would be grandfathered indefinitely, with no new licenses issued for those license classes but existing licenses could be modified or renewed.

The codeless operator class license would satisfy three major objectives. The first objective is to offer an entry level license for all persons who find telegraphy a barrier to pursuing the purposes of the amateur service. The second objective is to design a codeless license that can easily be implemented into the current licensing process. The third objective is to avoid any negative effect upon current licensees, the volunteer examiners who administer amateur examinations, or the Commissions workload.

The amateur service exists for the purpose of self-training, inter-communication and investigations to be carried out by duly authorized persons interested in radio technique solely with a personal aim, and without financial gain. Individuals seeking a license to operate an amateur station must prove that they can send correctly by hand and receive correctly by ear, text in Morse code signals. Although this requirement may be waived for an operator of an amateur station transmitting only on frequencies above 30 Mhz, each of the five classes of operator licenses issued by the Commission requires the applicant to pass an examination in the international Morse code.

The Communicator Class operator license would not require knowledge of Morse code telegraphy messages. Privileges for the Communicator Class would include all emission types. The Communicator Class license would replace two existing beginner operator classes and would simplify the amateur operator license structure. The Commission would require applicants for the Communicator Class license to pass a 60 question written examination. The new question pool would be comprised of the questions from the two pools currently used in the Novice and Technician examinations as well as the addition of new questions.

The proposed transmitter power for the Communicator Class would be 200 watts peak envelope power and the licensee's station would be eligible for a Group D call sign. Stations with Communicator Class control operators would not be permitted to transmit on the 2 and 6 meter VHF bands and the HF bands. The Commission is requesting comments on the effect of excluding Communicator Class licensees from the two VHF bands. Comments are also requested on the desirability of including the opportunity for Communicator Class licensees to experience on-the-air telegraphy operation on the HF bands. Additionally, a Communicator Class licensee who passes or receives credit for a telegraphy examination would be authorized the privileges of the Technician Class.

The Commission is requesting comments on all aspects of this proposal. Action by the Commission February 8, 1990, by Notice of Proposed Rulemaking (FCC 90-\\).

Response: Directors Letter of The American Radio Relay League, Inc.

On February 8, FCC adopted a Notice of Proposed Rulemaking in PR Docket 90-55, a proceeding looking toward the establishment of a codeless class of amateur license. the text of the NPRM is not yet available, but will be circulated as soon as it is.

The FCC proposal appears to differ in two major respects from the ARRL proposal (RM-6995). First, no new Novice licenses would be issued; second, a Communicator would receive HF privileges upon passing a telegraphy examination, apparently without a new (Technician) license being issued. What the FCC may have in mind is an "HF endorsement" for Communicator licensees that would not involve any FCC paperwork; accordingly, FCC would have no record of who had such an endorsement, and who didn't.

While the league will not have an official position on the FCC proposal until one is adopted by the Executive Committee or the Board, it is fair to say that we have long placed great importance on the retention of the Novice license as a means of entry into Amateur Radio. It would not be overstating the past and present League position to say that retention of the Novice license is deemed absolutely essential. Similarly, we have attached considerable importance to the FCC's continuing to keep records of the privileges earned by its licensees. This came up during the PRB-3 (special call sign) discussions, and we make it very clear at the time that this was essential for a number of reasons, including enforcement, encouragement of rules compliance, and accurate maintenance of licensees' records.

Secretary's Report January 1989

By Steve Coan, KA7MOW

Our membership dropped by some 42 non-renewals this year. Not too bad compared to prior years. What with the new members, and those joining courtesy of our Novice Scholarship program we find ourselves with 199 members at this time.

A side note to those who have not yet joined the ARRL, call or see the treasurer Ken Gilbert WR7D to see about joining. The club gets to keep \$5.00 of the membership fees for our use. So help the club and the amateur radio community by joining the ARRL at the next meeting.

Note on July campout for the OTVARC Travellers:

July campout chosen by John/Debby Burgess is to be at the R.V. Resort at Cannon Beach. \$23.10/night for 2 people, 2-2.50 additional for each additional person over the age of 6 in the group. East of US-101.

Contact John N7DCQ at 649-9095 as soon as possible with the funds for the first night for those planning on attending.

Brief notes from the February Board and General meetings for those who did not/could not attend them.

February Board Meeting Notes:

I. Meeting held February 7, 1990 at the Beaverton Mobile Lodge recreation hall.

II. Minutes of January Board meeting stand as corrected.

III. Treasurers Report given (Ken Gilbert)

IV. Discussion about the Anchorage Radio Club finances

V. Scholarship Committee discussion

VI. Ray Deeth - information on February General Meeting activities

VII. John Koenig - Looking for the Antronics "Gold Key Award". Does anyone in the club know of it's whereabouts?

VIII. Rick Schouweller - February meeting activities, etc. Kickoff for Worked All Otvarc Award to start at Feb General Mtg. March meeting will be the Beaverton F.P.D.

IX. Lynn Hurd - Technical night - 2 Meter Amplifier project

X. John Koenig - Contest idea for Sea-Pak - 2M Happy Hour

XI. Sea-Pac report - Jim Schaeffer

XII. Bill Schrader - ARRL Section Manager

XIII. Club Repeater - discussion on support of Wes's 146.90 machine

XIV. Have the club apply for a frequency pair

February General Meeting Notes:

I. Meeting held at Beaverton Elks Lodge, February 14, 1990

II. Recognition for Bronson Kirk (KB6GUH) for Worked All States award he recently received.

III. Presentations - Member Appreciation awards from board to both Dee Lynch (KA7NPN) and Terry Biggs (WB7CHK)

IV. Sea-Pak report from Ken Hart (N7JAS) and from Sue Benson (N7EPE)

V. Otvarc Travellers report from Bob Orr (WF7Q). February campout to be held at Cape Kiwanda

VI. Notes from Ray Deeth. The Club is still considered a Special Service Club. Scholarships discussion. Boy Scout Jamboree - OTVARC has been invited back this year

VII. Technical Committee Report
Meetings to be held in Hoffman Room at the Beaverton Operations Center last Wednesday of each month. Next Project to be the 2 Meter Amplifier

VIII. General Announcements

IX. Future Programs for the General meetings.
Tualatin Valle Fire & Rescue will show off their Fire Safety House

X. Paul Schaff - WB7BBG - has more name tags in. Contact him if you were expecting one.

XI. Ray Deeth conducted an Open Forum for club discussion of selected topics

Next board meeting 7 March, 1990 and the next general meeting will be on the 14th of March at the Beaverton Elks Lodge. Dinner 6:15, meeting 7:00.

Upcomming OTVARC Meetings

*Beaverton Elks Club
Beaverton, Oregon*

Buffet Dinner at 6:15 P.M.
Meeting begins at 7:00 P.M.

March 14

Jim Washburn

Tualatin Valley Fire and Rescue

April 11

The Honorable Greg Milnes, W7AGQ
"Here Comes The Judge"

May 9

Mary Lou Brown
ARRL Vice Director
Northwest Region

ARRL Board Adopts Budget And Elects Officers

Condensed By Jeff Durr, KA7AKU

The ARRL Board of Directors met in Hartford January 19 and 20 to consider reports of its officers and committees, elect officers for two-year terms, and conduct the other business of the League.

The Board regularly meets twice a year, in January and July. As reported elsewhere, the Board declared 1990 "The Year of the Amateur Satellite Program" in recognition of the many important space-related events expected to occur this year.

Other actions included ordering continued preparation for the 1992 World Administrative Radio Conference, and continued study of improved methods of spectrum management in Amateur Radio.

A 1990 budget for ARRL was approved that anticipates more than \$9.7 million in revenues and expenses for the year. For the first time in nine years, and in recognition of the 50% inflation that has occurred since then as well as the need to maintain adequate financial reserves for future challenges to Amateur Radio privileges, the Board adopted an increase in ARRL dues.

Effective April 1, the regular annual dues rate will go from \$25 to \$30. The senior-citizen rate will go from \$20 to \$24, and youth rates also will increase 20%. The special rate for family members and blind members will increase by \$2, to \$4.

Larry Price, W4RA, was reelected as ARRL President. Also reelected were James McCobb, K1LLU, as Treasurer, and David Sumner, K1ZZ, as Executive Vice President and Secretary.

There was some realignment of League Vice Presidents, with George Wilson, W4OYI, elected as First Vice President. Additional Vice Presidents elected were Rod Stafford, KB6ZV, and Jim Haynie, WB5JBP.

Jay Holladay, W6EJJ, was elected International Affairs Vice President. Tod Olson, K0TO, retired from the Board after 16 years of service as Vice Director, Director and Vice President. The Board recognized the long service of Chuck Bender, W1WPR, and Laird Campbell, W1CUT, who recently retired from the ARRL Headquarters staff.

Elected to the Executive Committee for 1990 were Directors Butler, W4RH, Mendelsohn, WA2DHF, Quiat, AG0X, and Turnbull, W3ABC. President Price, Vice President

Wilson, and Executive Vice President Sumner also serve on the Executive Committee.

In other actions, the Board reaffirmed its earlier position opposing a reduction in AM power privileges scheduled to take effect later this year, and renewed its instruction that a way be found for new club station licenses to be issued and for the holders of expired call signs to reobtain them.

A field organization station appointment, Local Government Liaison, was created to better represent Amateur Radio interests at the local level.

Endorsements to the 5-Band DXCC Award for 17 meters and 12 meters were approved; application details will be announced later.

Studies of a number of issues and proposals were ordered by various committees and the staff. The complete Minutes of the meeting appear in March QST.

(Relayed from packet radio - ARRL NEWSLETTER, Volume 9, Number 2, January, 1990)

HAM EXPERIMENTER CASHES OUT

After a decade of RF experimentation, I have decided to end my love affair with Ham Radio. And do I have some goodies to sell to a Happy Ham Home!

Rigs include ICOM 735 (w/ PS), 25A, and 2AT. Lab Quality bench top power supplies. Accessories include Universal Keyer, Mirage B-23, Vibroplex Iambic, and quality transmatch.

Instrumentation including HP scope (20Mhz Dual Trace, Delay TB, Variable Persistence Storage), General Radio 2hz - 2Mhz Osc., Texscan 1 - 30 Mhz Sweep Gen., Boonton C/L Meter, Precision Attenuator Pads and much more. Most with documentation.

I have several C-64s with disk drives, etc. Antennas include G5RV, and Isopole 144. Several "in-process" projects are just too complicated to discuss here.

And last but not least, many high quality parts lovingly gathered over many years such as 8877 (with socket, hood, and filament trans.), 12V Gel Cells and more.

You have to call me, Dave Frackelton (N1BEF), with your wish list. My day and evening phone number is 297-4184. I really want to liquidate these items so make your offer.

WORKED ALL OTVARC AWARD

DATES: 14 February, 1990 to 9 January, 1991

FREQUENCIES: Contacts made on any frequency allocated to Amateur Radio count. Contacts are allowed in any mode including in person.

OBJECT: Meet as many different OTVARC members on the air or in person as possible. One contact is allowed per OTVARC member met or contacted regardless of mode, frequency, or if the contact was made in person.

ELIGIBILITY: Anyone submitting a log with the required number of contacts is eligible for this award. Non-Amateur Radio operators will make their contacts in person or under the rules for third party traffic.

EXCHANGE: Call (if any), and name. In person contacts must be confirmed by a signature in the log or on a separate piece of paper.

CASUAL OPERATION is welcome. Tune up and work your friends, or just make a few contacts.

LOGS: Use the log of your choice. Logs may be submitted at any time. The deadline for logs is the January 9, 1991 OTVARC meeting, or postmarked no later than January 10, 1991. Mail logs to:

OTVARC
P.O. Box 5132
Aloha, OR 97006

AWARDS: OTVARC will present certificates to individuals submitting a log containing contacts with 100 or more different OTVARC members. OTVARC will present special certificates to individuals that turn in logs documenting contacts with 200 or more different OTVARC members.

WORKED ALL OTVARC AWARD

Operator Name and Call:

[illegible]

Operator Name and Call:

[illegible]

SIX HAM Satellites Launched Successfully

Condensed by Jeff Durr, KA7AKU

On January 22 at 01:35:31 UTC, the European Space Agency (ESA) successfully launched its V35 mission, an Ariane 4 booster, from its launch facility in Kourou, French Guiana. On board were six Amateur Radio satellites, two built by the University of Surrey, UO-14 and UO-15, and four MicroSats built by AMSAT-NA, AO-16, AO-17, AO-18 and AO-19. ("UO" is the acronym for UoSAT-OSCAR and "AO" for "AMSAT-OSCAR".)

An errant tape recorder on the primary payload, SPOT-2, delayed the launch from January 9 and bad weather in the area caused a scrub of the launch on January 21. However, a perfect launch occurred at the beginning of the ten minute launch window on Sunday evening local time.

The AMSAT Launch Information Network Service (ALINS) brought the launch "live" to thousands of amateurs and interested on-lookers worldwide. Doug Loughmiller, KO5I, President of AMSAT-NA, anchored the net which could be heard on the ham bands covering 160 meters all the way up to Amateur Radio satellites AO-10 and AO-13. Also heard on the ALINS net were a number of the major contributors to this latest effort. Commentary prior to the launch was offered by Tom Clark, W3IWI; Jan King, W3GEY; Martin Sweeting, G3YJO; Jeff Ward, G0//K8KA; Harold Price, NK6K; Dave Cowdin, WD0/HHU; and Bob McGwier, N4HY.

It was noted that this was also an anniversary for the ALINS net. Twenty years ago, the first ALINS net covered the launch of Australis-OSCAR-5. KO5I, watching the ESA video feed of the launch, counted down to ignition and lift-off.

At 20:04 minutes of the mission elapsed time, ESA issued a payload separation command to its launch vehicle and UO-14 and UO-15 were freed. A minute and a half later, at 21:29 mission elapsed time, ESA issued two additional payload separation commands and AO-16, AO-17, AO-18 and AO-19 were released. WD0/HHU reported that the six separation lights were "all green" indicating confirmation that all six Amateur Radio satellites had successfully separated from the launch vehicle.

During the first orbit, AMSAT-LU in Buenos Aires commanded the CW beacon to begin transmitting and it provided vital temperature and battery voltage information to the satellite command team. Although attempts by N4HY to turn on the PSK telemetry beacons during orbit 1 were unsuccessful, all of the MicroSats were transmitting by the end of the last pass (orbit 3) over the west coast at approximately 0700.

Spacecraft engineers NK6K and W3GEY, operating from W6TRW, indicated that the satellites had either responded to ground command or had switched on their transmitters automatically in order to prevent battery overcharging. WEBERSAT was successfully commanded on from Weber State College in Ogden, Utah during orbit 2. UO-14 and 15 were activated during the first pass (orbit 5) that was visible from the University of Surrey in the UK.

LISTENING TO THE MICROSATS

Three of the MICROSATS, PACSAT, LUSAT and WEBERSAT, are transmitting 1200-bit/s PSK packet-radio telemetry in the 437-MHz range. LUSAT is also transmitting CW on 437.125 MHz. The fourth MICROSAT, DOVE, has a 2-meter downlink on 145.825, which later will be transmitting synthesized voice, but is now sending ordinary 1200-bit/s AFSK FM packet-radio telemetry which anyone can copy with a "stock" TNC and 2-meter FM radio.

No special equipment is required! On one pass, W3IWI was able to hear DOVE well on his HT with a rubber duckie when it was 2800 km away at approximately 5 degrees above the horizon. On the radio he normally uses for the W3IWI PBBS, DOVE is as loud as many local area packet-radio users.

DOVE's 2-watt 2-meter transmitter puts out a potent signal! All six spacecraft are in essentially the same sun synchronous orbit. In the northern hemisphere, you will get two or three evening passes in a window centered on 10 PM local time and two or three morning passes centered on 11 AM local time. All of the passes you can hear will be between plus and minus two hours from these times.

Therefore, if you want to copy the packet-radio signals from DOVE flying at 800 km, just tune your 2-meter FM receiver to 145.825 MHz and leave your TNC in the monitor mode. It will transmit for a couple of minutes and then stop for 30 seconds. (To decode the telemetry from any of these satellites, watch the ALL@AMSAT packet-radio bulletins distributed by AMSAT for more details.)

And there's more to come! The Japanese plan to launch OSCAR-20 this month, and astronaut Ron Parise, WA4SIR, will have packet-radio hardware on-board the next flight of the shuttle Columbia (STS-35) in April.

If you are proud of these Amateur Radio achievements, please contact AMSAT for more information on how you can participate in these Amateur Radio space activities. AMSAT's address is P.O. Box 27, Washington, DC 20044.

(Condensed from the ARRL Packet-Radio Newsletter, Volume 6, Number 10, February 2, 1990.)

Grand Summary

11-Feb-90

Date	CD NUMBER	ISSUE DATE	MATURES	TERM	RATE	CUR. VALUE
2-Jan-90	14-20974456	13-Jan-90	12-Jul-90	6 MONTH	7.63%	\$3,777.12
2-Jan-90	14-20975133	4-Oct-89	2-Apr-90	6 MONTH	7.75%	\$5,000.00
TOTAL						\$8,777.12

Date	LIFE SAVINGS	BALANCE
2-Jan-90	1186023550	\$378.42

TOTAL
\$11,331.42

Date	SAVINGS	BALANCE
2-Jan-90	1186027510	\$2,175.88

	1990 Bud Amt	Prev Amt Budt	Total Budget	Spent	Current Income	Proj. Income
1990 Dues FWD			\$0.00		\$927.00	\$1,000.00
1990 Dues			\$0.00		\$386.00	\$800.00
1991 Dues					\$0.00	
Savngs Tranfer					\$0.00	
New Members	\$60.00		\$60.00	\$0.00	\$30.00	\$160.00
Newsletter	\$1,600.00		\$1,600.00	\$200.00	\$0.00	\$200.00
Novice Scholar			\$140.00	\$112.00		
Scholarship*	\$1,250.00	\$200.00	\$1,450.00	\$0.00	\$0.00	
Trailer Fund*		\$509.59	\$509.59	\$24.00	\$0.00	
Hlth&Welfare*	\$100.00	\$175.25	\$275.25	\$0.00	\$0.00	
Social Comm	\$200.00		\$200.00	\$0.00	\$0.00	\$150.00
XMAS	\$600.00		\$600.00	\$0.00	\$0.00	
Techn Comm	\$60.00		\$60.00	\$0.00	\$0.00	
Club Insurance	\$300.00		\$300.00	\$0.00		
Monthly Pgm	\$60.00		\$60.00	\$0.00		
Misc.				\$0.00		
Raffle				\$6.00		
Administrative				\$0.00		
Secretary	\$150.00		\$150.00	\$0.00		
Treasure	\$30.00		\$30.00	\$0.00		
Contingency	\$100.00		\$100.00	\$0.00		
Elections	\$150.00		\$150.00	\$98.47		
Copy Machine	\$200.00		\$200.00	\$0.00		
Logo Prom Cups			\$0.00		\$0.00	\$30.00
Name Tags				\$3.50	\$3.50	
Jackets	\$200.00		\$200.00	\$0.00	\$14.00	\$224.00
Contest Comm	\$100.00		\$100.00	\$0.00		
Member Awards	\$100.00		\$100.00	\$93.81		
ARRL	\$138.00		\$138.00	\$23.00	\$25.00	\$150.00
TOTAL	\$5,398.00	\$884.84	\$6,422.84	\$560.78	\$1,385.50	\$2,714.00

BalFwd 1989

Current Cking Bal=Bal Fwd 1989 +Current Income - Spent	\$1,517.94	\$2,342.66
Amount Of Projected Income Yet Received	Projected Income-Current Income	\$1,328.50
Total Projected Operating Income As Of 11-Feb-90	Add Above=	\$3,671.16
Unspent Budget As Of 11-Feb-90		\$5,862.06
Projected Profit Or Loss () As Of 11-Feb-90		(\$2,190.90)

Upcoming Events 1990

March 7	OTVARC Board Meeting
March 14	OTVARC Club Meeting Beaverton Elks Club
March 16, 17	OTVARC Travelers Campout Battle Ground State Park Battle Ground, Washington
March 28	Project Night
April 20, 21	OTVARC Travelers Campout Neskowin
April 25	Project Night
May 18, 19	OTVARC Travelers Campout Memaloose
May 30	Project Night
June 1, 2, 3	SEA-PAC Convention Seaside, Oregon
June 15, 16	OTVARC Travelers Campout Field Day Site
June 27	Project Night
July 20, 21	OTVARC Travelers Campout (To be announced)
July 25	Project Night
August 17, 18	OTVARC Travelers Campout Beaver Bay
August 29	Project Night
September 14, 15	OTVARC Travelers Campout Fort Stevens State Park
September 26	Project Night
October 19, 20	OTVARC Travelers Campout
October 31	Project Night
November 16, 17	OTVARC Travelers Campout Depoe Bay (Thanksgiving)

OTVARC Travelers

By Bob Orr, WF7Q

There were 7 rigs at the February outing at Pacific City. The intrepid few braved snow, slush, and freezing temperatures but a good time was had by all.

The next outing will be March 16th, 17th and 18th at Battle Ground State Park just north of Battle Ground, Washington. For information, call Marvel, KA7TZZ at 292-3261.

OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

Executive Board

Feel free to contact the Board of OTVARC to answer any questions you may have on anything.

President:	Ray Deeth	K7VDQ	324-4502
Vice Pres:	Rick Schouweider	KA5OLH	640-4281
Secretary:	Steve Coan	KA7MOW	646-5271
Treasurer:	Ken Gilbert	WR7D	292-3497
Trustee:	Al Berg	WB7SIC	640-5456
Trustee:	Lynn Hurd	WB7UNU	649-9152
Trustee:	Marty McKillip	KD7LA	644-9244
Trustee:	John Koenig	NB7W	641-3575
Trustee:	Greg Milnes	W7AGQ	648-6990

Other Club Contacts

Club Emergency Services Coordinator:
Vacant

Club Trailer / Club Equipment / Technical:

Dee Lynch	KA7NPN	646-4580
Terry Biggs	WB7CHK	648-3687

Contests:

John Koenig	NB7W	641-3575
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Health and Welfare:

Al Berg	WB7SIC	640-5456
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Public Service:

Randy Stimson	KZ7T	297-1175
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Newsletter:

Jeff Durr	KA7AKU	649-6832
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Project Night:

Terry Biggs	WB7CHK	648-3687
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The OVARC NEWSLETTER is published monthly by the Oregon Tualatin Valley Amateur Radio Club, Inc. The opinions, views and recommendations of its contributors are not necessarily those of the Club, it's officers, advertisers or the Editorial Staff. Articles or letters may be submitted to: Jeffrey A. Durr, KA7AKU, Editor, 20320 S.W. Clarion Street, Aloha, Oregon 97006. Deadline for all newsletter material is the 25th of the preceding month.

Meetings are held on the second Wednesday of each month at the Beaverton Elks Lodge, 3500 S.W. 104th Avenue, Beaverton, Oregon. Meetings begin at 7:00 P.M. following a buffet dinner served at 6:15 P.M.

All correspondence other than for this newsletter should be sent to: Oregon Tualatin Valley Amateur Radio Club, Post Office Box 5132, Aloha, Oregon 97006-0132.

Oregon Tualatin Valley Amateur Radio Club
Post Office Box 5132
Aloha, Oregon 97006-0132

Address Correction Requested

